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Reviewer: Anne Corrigan

Timestamp: [year=2008; month=9; day=15; hr=11; min=41; sec=12; ms=67; ]

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Application No: 10587051 Version No: 1.0

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<110> Zimmerman, et al.

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<141> 2008-09-13

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<151> 2004-01-21

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<170> PatentIn version 3.2

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Met Thr Ala Pro Gly Ala Ala Gly Arg Cys Pro Pro Thr Thr  
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Trp Leu Gly Ser Leu Leu Leu Val Cys Leu Leu Ala Ser Arg Ser  
15 20 25 30

atc acc gag gag gtg tcg gag tac tgt agc cac atg att ggg agt gga 327  
Ile Thr Glu Glu Val Ser Glu Tyr Cys Ser His Met Ile Gly Ser Gly  
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cac ctg cag tct ctg cag cgg ctg att gac agt cag atg gag acc tcg 375  
His Leu Gln Ser Leu Gln Arg Leu Ile Asp Ser Gln Met Glu Thr Ser

tgc caa att aca ttt gag ttt gta gac cag gaa cag ttg aaa gat cca Cys Gln Ile Thr Phe Glu Phe Val Asp Gln Glu Gln Leu Lys Asp Pro	50 65	55 70	60 75	423
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gac acc atg cgc ttc aga gat aac acc ccc aat gcc atc gcc att gtg Asp Thr Met Arg Phe Arg Asp Asn Thr Pro Asn Ala Ile Ala Ile Val	95	100	105	519
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ctc cag ttg ctg gag aag gtc aag aat gtc ttt aat gaa aca aag aat Leu Gln Leu Leu Glu Lys Val Lys Asn Val Phe Asn Glu Thr Lys Asn	145	150	155	663
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gtc atc ctg gtc ttg ctg gcc gtc gga ggc ctc ttg ttc tac agg tgg Val Ile Leu Val Leu Ala Val Gly Gly Leu Leu Phe Tyr Arg Trp	210	215	220	855
agg cg <sup>g</sup> cg <sup>g</sup> agc cat caa gag cct cag aga gc <sup>g</sup> gat tct ccc ttg gag Arg Arg Arg Ser His Gln Glu Pro Gln Arg Ala Asp Ser Pro Leu Glu	225	230	235	903
caa cca gag ggc agc ccc ctg act cag gat gac aga cag gtg gaa ctg Gln Pro Glu Gly Ser Pro Leu Thr Gln Asp Asp Arg Gln Val Glu Leu	240	245	250	951
cca gtg tag aggaaattct aagctggacg cacagaacag tctctccgtg Pro Val	255			1000
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Glu Glu Val Ser Glu Tyr Cys Ser His Met Ile Gly Ser Gly His Leu		
35	40	45

Gln Ser Leu Gln Arg Leu Ile Asp Ser Gln Met Glu Thr Ser Cys Gln		
50	55	60

Ile Thr Phe Glu Phe Val Asp Gln Glu Gln Leu Lys Asp Pro Val Cys			
65	70	75	80

Tyr Leu Lys Lys Ala Phe Leu Leu Val Gln Asp Ile Met Glu Asp Thr

85

90

95

Met Arg Phe Arg Asp Asn Thr Pro Asn Ala Ile Ala Ile Val Gln Leu  
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Gln Glu Leu Ser Leu Arg Leu Lys Ser Cys Phe Thr Lys Asp Tyr Glu  
115 120 125

Glu His Asp Lys Ala Cys Val Arg Thr Phe Tyr Glu Thr Pro Leu Gln  
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Leu Leu Glu Lys Val Lys Asn Val Phe Asn Glu Thr Lys Asn Leu Leu  
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Asp Lys Asp Trp Asn Ile Phe Ser Lys Asn Cys Asn Asn Ser Phe Ala  
165 170 175

Glu Cys Ser Ser Gln Gly His Glu Arg Gln Ser Glu Gly Ser Ser Ser  
180 185 190

Pro Gln Leu Gln Glu Ser Val Phe His Leu Leu Val Pro Ser Val Ile  
195 200 205

Leu Val Leu Leu Ala Val Gly Gly Leu Leu Phe Tyr Arg Trp Arg Arg  
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Pro His Gln Pro Leu Ala Pro Ser Met Ala Pro Val Ala Gly Leu Thr				
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Trp Glu Asp Ser Glu Gly Thr Glu Gly Ser Ser Leu Leu Pro Gly Glu				
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Gln Gly Thr Glu Leu Ser Pro Ser Arg Pro Gly Gly Ser Met Gln				
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Thr Glu Pro Ala Arg Pro Ser Asn Phe Leu Ser Ala Ser Ser Pro Leu				
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Leu Pro Arg Val Gly Pro Val Arg Pro Thr Gly Gln Asp Trp Asn His				
370	375	380		
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Thr Pro Gln Lys Thr Asp His Pro Ser Ala Leu Leu Arg Asp Pro Pro				
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Thr Gly His Glu Arg Gln Ser Glu Gly Ser Ser Ser Pro Gln Leu Gln			
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Glu Ser Val Phe His Leu Leu Val Pro Ser Val Ile Leu Val Leu Leu			
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20	25	30

Glu Glu